

Conversion Tables for Measures and Weights

Table 1. United States to Approximate Metric Equivalent

| To convert from | To | Multiply by |
|------------------------------|------------------------|-------------|
| inches | centimeters | 2.540 |
| inches | millimeters | 25.40 |
| square inches | square centimeters | 6.452 |
| square inches | square millimeters | 645.2 |
| feet | meters | 0.3048 |
| square feet | square meters | 0.09290 |
| yards | meters | 0.9144 |
| square yards | square meters | 0.8361 |
| ounces (avdp) | grams | 28.35 |
| troy ounces | grams | 31.10 |
| pounds (avdp) | kilograms | 0.4536 |
| long tons | metric tons | 1.016 |
| short tons | metric tons | 0.9071 |
| fluid ounces | milliliters | 29.57 |
| quarts | liters | 0.9464 |
| gallons | liters | 3.785 |
| bushels | liters | 35.24 |
| cubic feet | cubic meters | 0.02832 |
| cubic yards | cubic meters | 0.7646 |
| ounces per square yard | grams per square meter | 33.91 |

Table 2. Metric to Approximate United States Equivalent

| To convert from | To | Multiply by |
|------------------------------|------------------------|-------------|
| centimeters | inches | 0.3937 |
| millimeters | inches | 0.03937 |
| square centimeters | square inches | 0.1552 |
| square millimeters | square inches | 0.01552 |
| meters | feet | 3.281 |
| meters | yards | 1.094 |
| square meters | square feet | 10.76 |
| square meters | square yards | 1.195 |
| grams | ounces (avdp) | 0.03527 |
| grams | troy ounces | 0.03215 |
| kilograms | pounds (avdp) | 2.205 |
| metric tons | long tons | 0.9842 |
| metric tons | short tons | 1.102 |
| milliliters | fluid ounces | 0.03381 |
| liters | quarts | 1.057 |
| liters | gallons | 0.2642 |
| liters | bushels | 0.02838 |
| cubic meters | cubic feet | 35.31 |
| cubic meters | cubic yards | 1.308 |
| grams per square meter | ounces per square yard | 0.0295 |